

# Hawaii

## Science and Engineering Profile

	STATE	U.S.	Rank		STATE	U.S.	Rank
Doctoral scientists, 1995	2,293	453,928	38	Total R&D performance, 1995 (millions)	\$509	\$177,210	38
Doctoral engineers, 1995	202	86,738	46	Industry R&D, 1995 (millions)	\$14	\$130,332	50
S&E doctorates awarded, 1996	129	27,230	39	Academic R&D, 1996 (millions)	\$73	\$22,481	41
of which, in social sciences	40%	15%		of which, in life sciences	44%	56%	
in life sciences	29%	25%		in physical sciences	30%	10%	
in environmental sciences	12%	3%		in environmental sciences	11%	6%	
S&E postdoctorates, 1996	104	37,019	37	Higher education current-fund expenditures, 1995 (millions)	\$754	\$182,602	42
in doctorate-granting institutions							
S&E graduate students, 1996	2,127	430,631	39	Number of SBIR awards, 1990-1997	109	31,155	30
in doctorate-granting institutions				Patents issued to state residents, 1997	77	61,699	46
Population, 1997 (000s)	1,187	271,464	42	Gross state product, 1996 (billions)	\$36.3	\$7,677.4	41
Civilian labor force, 1997 (000s)	592	137,564	43	of which, agriculture	1%	2%	
Personal income per capita, 1997	\$26,034	\$25,598	17	manufacturing, mining, construction	8%	23%	
Federal spending				transportation, communication, utilities	10%	8%	
Total expenditures, 1997 (millions)	\$8,266	\$1,405,060	39	wholesale and retail trade	16%	16%	
R&D obligations, 1996 (millions)	\$147	\$66,087	39	finance, insurance, real estate	21%	19%	
				services	22%	20%	
				government	21%	12%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

## Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1996

[Thousands of Dollars]

	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & Colleges	Other nonprofits	State & local government	State rank
<b>Total, all agencies</b>	147,370	57,093	0	25,124	52,298	12,042	813	39
<b>Department of Agriculture</b>	20,372	10,230	0	0	4,936	5,206	0	22
<b>Department of Commerce</b>	11,006	7,154	0	200	3,358	0	294	22
<b>Department of Defense</b>	54,896	28,409	0	22,968	3,519	0	0	34
<b>Department of Energy</b>	3,114	0	0	307	2,760	47	0	42
<b>Dept. of Health &amp; Human Services</b>	20,839	0	0	757	15,035	5,047	0	43
<b>Department of Interior</b>	12,205	11,123	0	0	1,082	0	0	12
<b>Department of Transportation</b>	656	0	0	0	137	0	519	44
<b>Environmental Protection Agency</b>	140	0	0	0	140	0	0	42
<b>Nat'l Aeronautics &amp; Space Admin.</b>	5,670	177	0	518	4,766	209	0	37
<b>National Science Foundation</b>	18,472	0	0	374	16,565	1,533	0	27
<b>State rank</b>	39	30	na	39	37	25	40	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable